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Symbol: TM-51

Group Ref: TMG-M23

This document consists of 20 pages

March 31, 1952

MINUTES OF THE TWENTY-THIRD MEETING OF THE THEORETICAL MEGATON GROUP

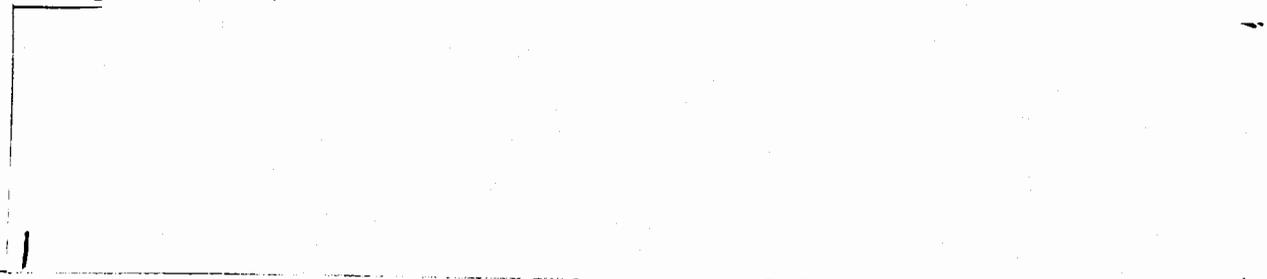
26 March 1952

1. The twenty-third meeting of the TMG convened at 9:00 AM on Wednesday, 26 March 1952, in the W-Division Conference Room. Those present were:

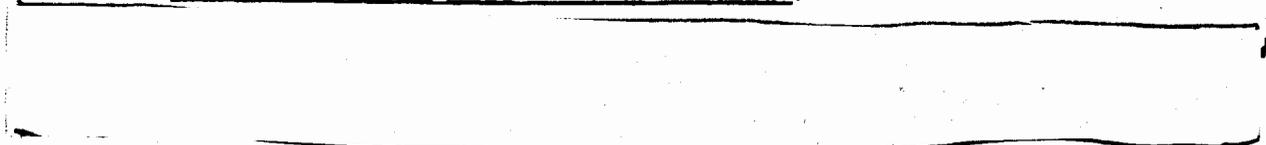
- | | |
|----------------|----------------------|
| G. Bell | M. G. Holloway |
| H. A. Bethe | R. M. Landshoff |
| A. A. Broyles | J. C. Mark, Chairman |
| E. D. Cashwell | H. L. Mayer |
| F. de Hoffmann | L. W. Nordheim |
| D. C. Dodder | W. E. Ogle |
| C. Evans | J. C. Potts |
| F. Evans | F. Reines |
| D. K. Froman | J. R. Reitz |
| W. B. Goad | P. R. Stein |
| R. W. Goranson | J. L. Tuck |

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: 1/3/91	2. DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: OAC OADC BRAD	1. CLASSIFICATION RETAINED
NAME: [Signature]	2. CLASSIFICATION CHANGED TO:
2ND REVIEW DATE: 7/3/91	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: [Signature]	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

2. The 4th paragraph on page 5 of the previous minutes is an incomplete statement.



3. Radiation Implosion Calculations (SEAC)



WD - Family

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Since even this latter amount of energy did not appear to be cause for worry it was decided that a new calculation on a larger bomb is not necessary for sound proofing purposes, and therefore can wait until there should be a decision to alter the bomb yield.

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7.

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(3)

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NO. 359-11 10 x 10 to the half inch, 5th lines accented.
Engraving, 7 x 10 in.
MADE IN U.S.A.

FIG. 1

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FIG. 4

359-71 KEUFFEL & ESSER CO.
Semi-Lithographic, 3 Cycles X 10 to the inch.
5th lines accented.
MADE IN U. S. A.

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FIG 5

KEUFFEL & ESSER CO., N. Y. NO. 388-110
Lithographic, 2 X 3 Cycles.
MADE IN U.S.A.

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From these data Mayer has obtained the approximate relationship

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b(3)

DOE
b(3)

DOE
b(3)

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12

DOE
b(3)

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b(3)

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DW-

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10. Radiation Flow Calculations (de Hoffmann, M. Goldstein, Stein, and Rand)

The notation follows that given in the 21st and 22nd minutes.

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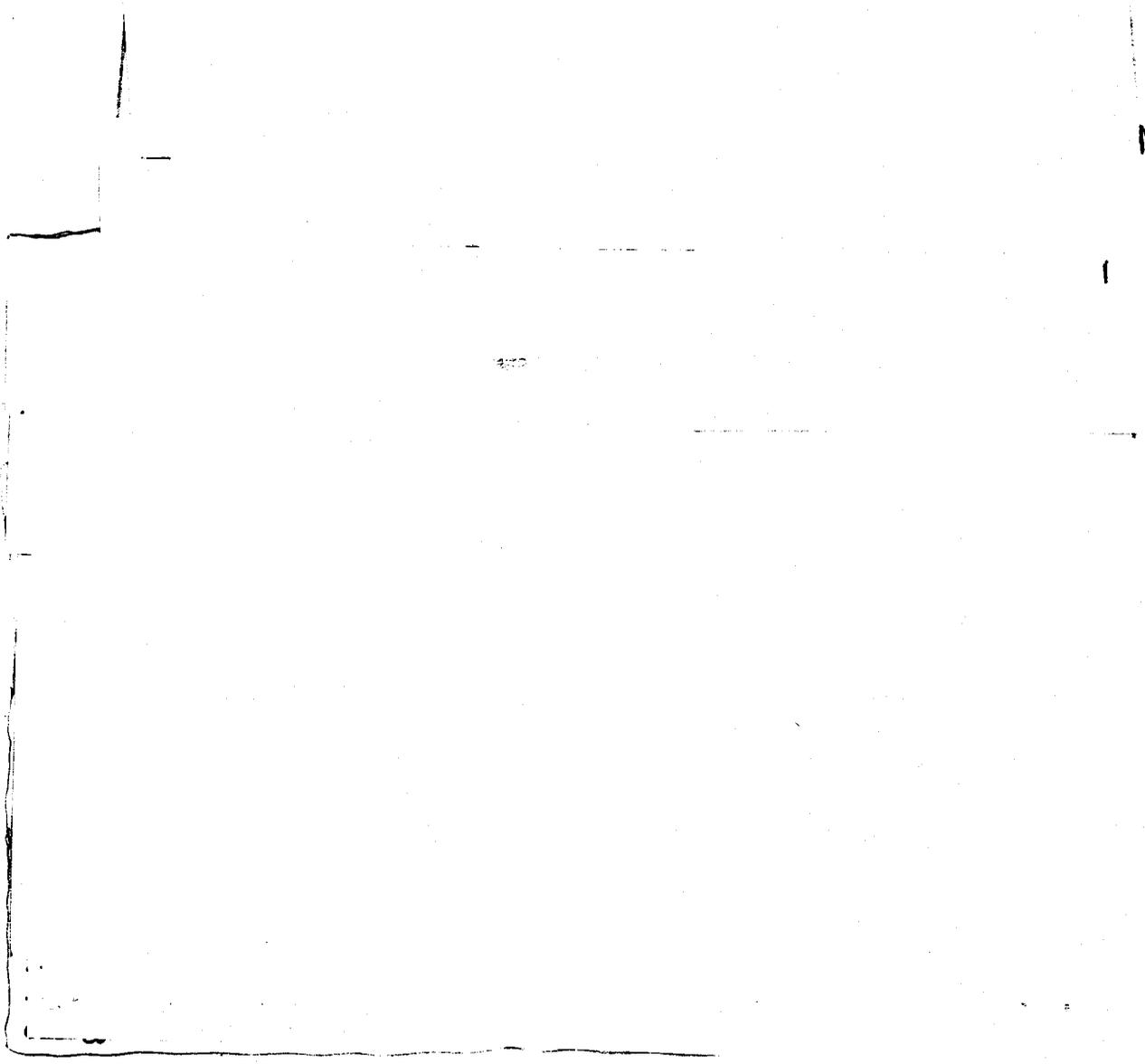
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14



DOE
BLZ

R. W. Goranson

R. W. Goranson

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Fig. 6

350-11 KCIFFEL & ESSER CO.

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FIG. 1

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Fig. 8

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350-14 KEUFFEL & ESSER CO.
Millimeters, 5 min. lines accented, cm. lines heavy.
MADE IN U. S. A.

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Fig. 9

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38972 KROFFEL & ESSER CO.

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Table 1

DOE
W3

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Distribution:

- 1A - H. H. Barschall
- 2A - G. Bell
- 3A - H. A. Bethe
- 4A - W. Bouricius
- 5A - N. E. Bradbury
- 6A - S. W. Burriss
- 7A - B. G. Carlson
- 8A - F. de Hoffmann
- 9A - F. Evans
- 10A - B. E. Freeman
- 11A - D. K. Froman
- 12A - R. B. Gibney
- 13A - R. W. Goranson
- 14A - A. C. Graves
- 15A - L. E. Hightower
- 16A - M. G. Holloway
- 17A - F. C. Hoyt
- 18A - E. R. Jette
- 19A - R. M. Landshoff
- 20A - R. B. Lazarus
- 21A - C. L. Longmire
- 22A - J. C. Mark
- 23A - H. L. Mayer
- 24A - N. Metropolis
- 25A - L. W. Nordheim
- 26A - W. E. Ogle
- 27A - F. Reines
- 28A - J. R. Reitz
- 29A - R. D. Richtmyer
- 30A - M. Rosenbluth
- 31A - R. W. Spence
- 32A - P. R. Stein
- 33A - E. Teller
- 34A - J. L. Tuck
- 35A - S. M. Ulam
- 36A - M. C. Walske
- 37A - B. E. Watt
- 38A - J. A. Wheeler
- 39A - H. F. York
- 40A - Report Library
- 41A - Report Library
- 42A - File

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